

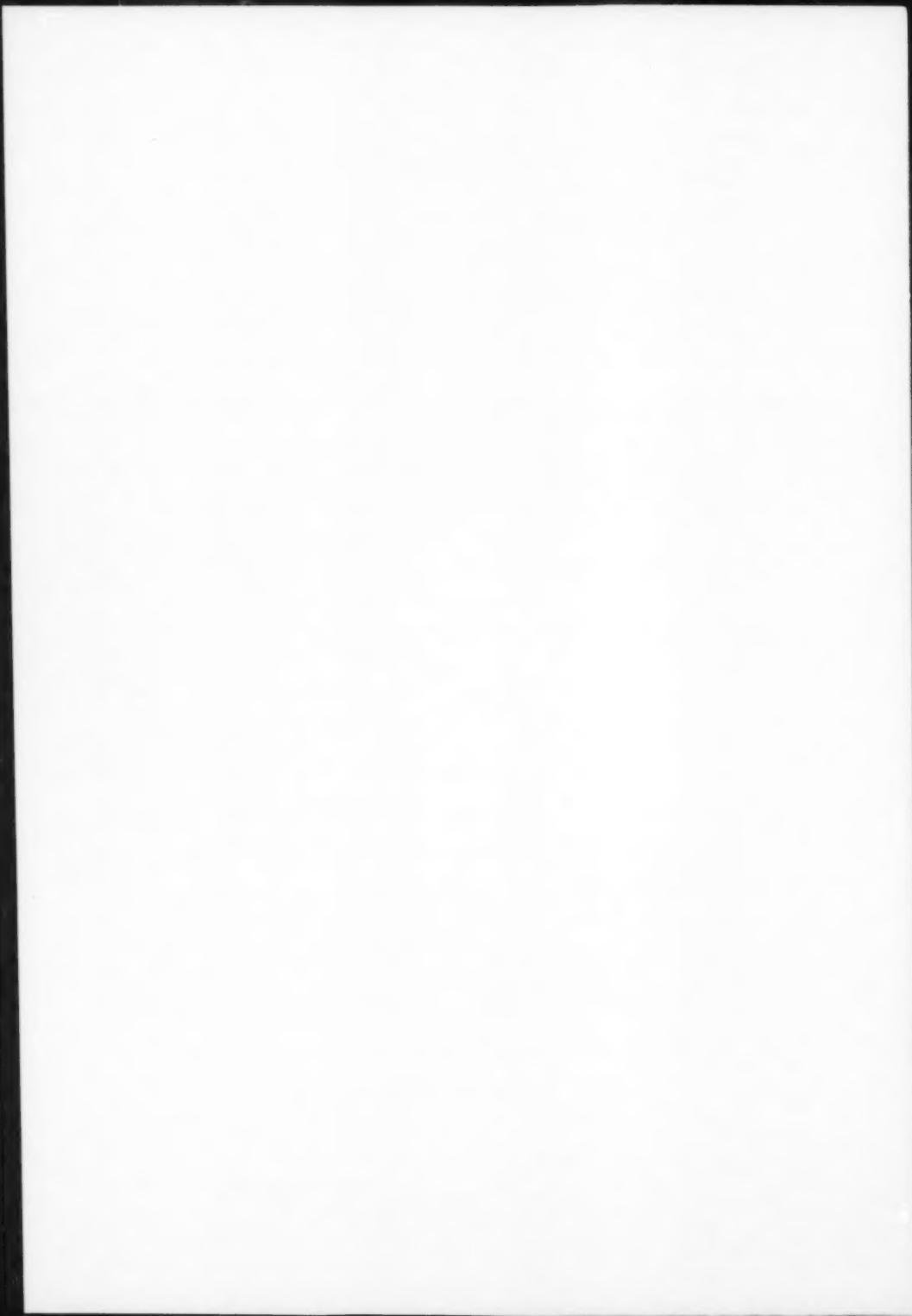
Contents

VOLUME 10, NUMBER 1, MARCH 1985

D. LAMB: The influence of insects on nutrient cycling in eucalypt forests: A beneficial role?	1
M. D. LOWMAN: Temporal and spatial variability in insect grazing of the canopies of five Australian rainforest tree species	7
A. N. ANDERSEN AND A. L. YEN: Immediate effects of fire on ants in the semi-arid mallee region of north-western Victoria	25
J. D. MAIER: Recolonization by ants of rehabilitated mineral sand mines on North Stradbroke Island, Queensland, with particular reference to seed removal	31
J. N. MATTHIESSEN: Populations of the bush fly (<i>Musca vetustissima</i> Walker) in arid Australia	49
J. A. HOLT: Acari and Collembola in the litter and soil of three North Queensland rainforests	57
N. ENRIGHT: Existence of a soil seed bank under rainforest in New Guinea	67
L. HEAD: Further discussion of <i>Phyllocladus</i> and its pollen in Victoria during the Holocene	73
THESIS ABSTRACTS	77
BOOK REVIEWS	81

VOLUME 10, NUMBER 2, JUNE 1985

J. LANDSBERG: Drought and dieback of rural eucalypts	87
N. GIBSON AND J. B. KIRKPATRICK: Vegetation and flora associated with localized snow accumulation at Mount Field West, Tasmania	91
J. N. MATTHIESSEN: Breeding of the bush fly, <i>Musca vetustissima</i> Walker, in an overwintering area during winter and spring	101
B. J. FOX, M. D. FOX AND E. ARCHER: Experimental confirmation of competition between two dominant species of <i>Iridomyrmex</i> (Hymenoptera: Formicidae)	105
S. C. WARD AND G. E. PICKERSGILL: Biomass and nutrient distribution in eucalypt plantations growing on rehabilitated bauxite mines	111
B. R. BURNS AND J. OGDEN: The demography of the temperate mangrove [<i>Avicennia marina</i> (Forsk.) Vierh.] at its southern limit in New Zealand	125
G. M. MCKEON, C. W. ROSE, J. D. KALMA AND B. W. R. TORSSELL: Pasture seed dynamics in a dry monsoonal climate. I Germination and seedbed environment of <i>Stylosanthes humilis</i> and <i>Digitaria ciliaris</i>	135
G. M. MCKEON: Pasture seed dynamics in a dry monsoonal climate. II The effect of water availability, light and temperature on germination speed and seedling survival of <i>Stylosanthes humilis</i> and <i>Digitaria ciliaris</i>	149
I. ABBOTT AND P. VAN HEURCK: Comparison of insects and vertebrates as removers of seed and fruit in a Western Australian forest	165
R. M. COWLING AND B. B. LAMONT: Seed release in <i>Banksia</i> : the role of wet-dry cycles	169
G. R. FRIEND AND J. A. TAYLOR: Habitat preferences of small mammals in tropical open-forest of the Northern Territory	173
B. LAMONT: Dispersal of the winged fruits of <i>Nuytsia floribunda</i> (Loranthaceae)	187
G. GOWING AND H. F. RECHER: Short note — Further comments on the length-weight relationships of invertebrates	195
THESIS ABSTRACTS	197
BOOK REVIEWS	201



VOLUME 10, NUMBER 3, SEPTEMBER 1985

H. L. BELL: Seasonal variation and the effects of drought on the abundance of arthropods in savanna woodland on the Northern Tablelands of New South Wales	207
V. A. DRAKE AND R. A. FARROW: A radar and aerial-trapping study of an early spring migration of moths (Lepidoptera) in inland New South Wales	223
C. B. FRITH AND D. W. FRITH: Seasonality of insect abundance in an Australian upland tropical rainforest	237
G. H. BAKER: The distribution and abundance of the Portuguese millipede <i>Ommatoiulus moreletii</i> (Diplopoda: Julidae) in Australia	249
M. F. DOWNES: Fecundity and fertility in <i>Latrodectus hasselti</i> (Araneae: Theridiidae)	261
C. P. CATTERALL: Winter energy deficits and the importance of fruit versus insects in a tropical island bird population	265
J. A. TAYLOR AND D. TULLOCH: Rainfall in the wet-dry tropics: Extreme events at Darwin and similarities between years during the period 1870-1983 inclusive	281
R. C. ELLIS: The relationships among eucalypt forest, grassland and rainforest in a highland area in north-eastern Tasmania	297
H. J. FISHER: The structure and floristic composition of the rainforest of the Liverpool Range, New South Wales, and its relationships with other Australian rainforests	315
J. READ: Photosynthetic and growth responses to different light regimes of the major canopy species of Tasmanian cool temperate rainforest	327
R. F. BROWN: The effect of severe defoliation on the subsequent growth and development of five rangeland pasture grasses of south-western Queensland	335
R. M. COWLING AND B. B. LAMONT: Variation in serotiny of three <i>Banksia</i> species along a climatic gradient	345
B. R. HUTSON: Rates of litterfall and organic matter turnover at three South Australian indigenous forest sites	351
E. J. RYKIEL: Towards a definition of ecological disturbance	361
THESES ABSTRACTS	367
BOOK REVIEWS	375

VOLUME 10, NUMBER 4, DECEMBER 1985

A. N. ANDERSEN AND D. H. ASHTON: Rates of seed removal by ants at heath and woodland sites in southeastern Australia	381
C. M. BULL, M. P. ZALUCKI, Y. SUZUKI, D. A. MACKAY AND R. L. KITCHING: An experimental investigation of patch use by female monarch butterflies, <i>Danaus plexippus</i> (L.)	391
H. F. RECHER, R. T. HOLMES, M. SCHULZ, J. SHIELDS AND R. KAVANAGH: Foraging patterns of breeding birds in eucalypt forest and woodland of southeastern Australia	399
K. L. KING, P. GREENSLADE AND K. H. HUTCHINSON: Collembolan associations in natural versus improved pastures of the New England Tableland, NSW: Distribution of native and introduced species	421
B. N. RICHARDS, J. E. N. SMITH, G. J. WHITE AND J. L. CHARLEY: Mineralization of soil nitrogen in three forest communities from the New England region of New South Wales	429
B. R. HUTSON AND L. G. VEITCH: Relationships between litterfall rate, litter mass and decomposition rate in <i>Eucalyptus</i> forests in southeastern Australia	443
M. V. BRAUNACK AND J. WALKER: Recovery of some surface soil properties of ecological interest after sheep grazing in a semi-arid woodland	451
N. J. ENRIGHT: Age, reproduction and biomass allocation in <i>Rhopalostylis sapida</i> (Nikau Palm)	461
E. C. MORRIS AND P. J. MYERSCOUGH: Effects of nutrient level on thinning and non-thinning crowding in even-aged populations of subterranean clover	469
C. SIRAKOFF: A correction to the equations describing the McArthur forest fire danger meter	481
THESES ABSTRACTS	483
BOOK REVIEWS	487
REFEREES	493



